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Study of water-desalting plant authorized by U.S. Dept. of the Interior, CE:Jun 65:93

Texas to have municipal water-desalting plant, CE:Feb 65:86

Transitory Irrigation Developments,

Raymond A. Hill, CE:Mar 65:56

Dsc: Charles Green, CE:Jun 65:72, author's reply, CE:Jun 65:72

DESIGN

Handbook on bridge design available from U.S. Steel, CE:Nov 65:116

U.S. Steel announces competition on highway bridge design, CE:Nov 65:115

DOCKS

Chile--Seabees Give Technical Assistance in Chile, Leroy D. Lawson, CE:Feb 65:47

DOMES

Illinois--Church at Niles features large clear-span dome, CE:Sep 65:88

Texas--Unusual Dome Awaits Baseball Season in Houston, Louis O. Bass, CE:Jan 65:63

Dsc: R.S. DiSalvo, CE:Mar 65:64

DRAINAGE

American Society of Agricultural Engineers to hold conference in Chicago, Dec. 6-7, CE: Oct 65:96

Texas--Houston Airport, a Study in Engineer-Contractor Harmony, H.O. Fischer, CE: Sep 65:32

DREDGES

Army Engineers contract for first hopper dredge with side-casting boom, CE:Feb 65:84

DRILLING

Mohole drilling sites to be in the Pacific, CE: Mar 65:84

EARTH DAMS

Greece--A Concrete Cutoff Wall for earthfull Peneos Dam, Th. C. Gofas, CE:Jun 65:56

EARTHQUAKES

Alaska--Juneau building features earthquake-resistant construction, CE:Jan 65:100

Alaska--Vertical Forces in Earthquake of March 1964, Harvey P. Pittelko, CE:

Dsc: Harold C. Smith, CE:Mar 65:62

AISI reports issued on findings of inspection teams for Skopje and Alaska earthquakes, CE: Feb 65:84

Chile--Earthquake causes extensive damage, CE:May 65:86

ECONOMIC EVALUATIONS

Graphical Method for Discounting Future Benefits in Feasibility Studies, George E. Ribble, CE:Nov 65:86

EDUCATION

ASCE Task Committee on Continuing Education holds first meeting in Chicago on June 19, CE: Aug 65:90

Continuing Education, William H. Wisely, CE: Feb 65:31

California--City of Hayward starts program to interest students in a civil engineering career, CE:May 65:89

The Civil Engineer and His Education,

Wallace L. Chadwick, CE: Sep 65:31

Dsc by James A. Brower, on non-availability of graduate courses, of "The Younger View-point," CE:Mar 65:78

Engineering Education--from the Practitioner's Viewpoint, Joseph S. Ward, CE:Feb 65:58

Dsc: M.D. Morris, CE:Apr 65:80; G.P.

Tschebotarioff, Apr 65:80

Dsc: James K. Finch, CE:Apr 64:64, on a dangerous trend in engineering education

Dsc: J.W. Huber, CE:Jun 64:78; William H. Gotolski, Jun 64:78; T.H. Evans, Sep 64:88; reply by J.K. Finch, Nov 64:71; Adolph J.

Ackerman, Nov 64:71; Shu-Tien Li, Feb 65:69

Improved Inspection on the West Coast, John Steinbrugge, Oct 65:79

Ph. D. and P.E. in Civil Engineering

Education, Ross E. McKinney, CE:Mar 65:48

Dsc: Asit K. Biswas, CE:Jul 65:76

Preliminary report on goals of engineering education available from American Society for Engineering Education, CE:Nov 65:103

A Symposium, Continuing Education--Whose Responsibility?, Donald J. Benson, G.E. Rosenthal, Lynn W. Gelhar, Charles R. Heidengren, CE:May 65:56

Where Is Engineering Education Today?--from the Educator's Viewpoint, Gene M. Nordby, CE:Feb 65:56

Dsc: M.D. Morris, CE:Apr 65:80

World Congress on Engineering Education meets in Chicago, June 21-25, CE:Jun 65:78

See also (ASCE) Education

ELECTRONICS

Massachusetts--Contract let for NASA's Electronics Research Center in Cambridge, CE: Feb 65:83

EMPLOYMENT

Africa--Civil engineering opportunities available, CE:Sep 65:88

Corps of Engineers has openings in New York, Greenland, and Labrador, CE:Jun 65:93

Fringe Benefits in Civil Engineering Compensation, Clair A. Hill, CE:Jul 65:64

Jobs wanted in U.S. for foreign students, CE: May 65:46

United Nations has engineering positions available, CE:Oct 65:105

ENGINEERING MECHANICS

ASCE Engineering Mechanics Division Conference, Apr. 12-14, CE:Mar 65:44; Report, Jun 65:80

Mohole drilling sites to be in the Pacific, CE: Mar 65:84

Non-Newtonian Flows--Their Value in Civil Engineering, George Bugliarello, CE:Aug 65:68

ENGINEERING SOCIETIES

British Institution of Civil Engineers elects ASCE Member as 100th president, CE:Jan 65:94

ENGINEERS

ASCE members elected to Academy of Engineering, CE:May 65:45

ENGINEERS JOINT COUNCIL

Carl Frey elected secretary of EJC, CE: Feb 65:45

EJC publishes symposium on "Relationships between Engineering Societies and Industry," CE:Jun 65:81

EJC reports that engineering faculty salaries increase CE:Sep 65:44

Engineering Manpower Commission of EJC reports salaries, 1962-1964, CE:Feb 65:44

Engineering Manpower in Profile published by EJC and National Science Foundation, CE:Sep 65: 77

Handbook on selective service issued by EJC, CE:May 65:80

Presents honorary awards, CE:Mar 65:74

ENVIRONMENTAL ENGINEERING

American Sanitary Engineering Intersociety Board to broaden its activities, CE:Aug 65:89

ASCE Environmental Engineering Conference and Annual Meeting, Kansas City, Mo., Oct 18-22, Program CE:Aug 65:76, Sep 65:76; Report, Nov 65:56

See also Cole-Weather Construction

EPOXY RESINS

Massachusetts--Tunnel under Boston's Prudential Center painted cheaply with epoxy, CE: Sep 65:89

Photosensitive Plastics Extend the Range of Photoelastic Stress Studies, John P. Cook, CE: Nov 65:87

EROSION

Cellular Concrete Block Revetment, D.A. Parsons and R.P. Apmann, CE:Feb 65:66

EXCAVATION

Florida--The Cross-Florida Barge Canal under Construction, F.O. Biehn, CE:May 65:48

FAILURE

Washington--Legacy of Galloping Gertie (Tacoma Narrows Bridge), Robert Goller, CE: Oct 65:50

FALLOUT

New Trends in Fallout Protection, Seymour Wengrovitz and Gordon W. Hirtle, CE:Jul 65:47

FINANCING

Starting Your Own Consulting Practice--Business and Finance, Joseph S. Ward, CE:Jan 65:53

FIRE PROTECTION

Prestressed Lift Slabs Withstand Fire, G.E. Troxell, CE:Sep 65:64

FLOOD CONTROL

Are Flood-Plain Regulations Sound?, C.J. Posey, CE:Jun 65:68

East Pakistan--Master Plan for Water and Power Development, Ernest M. Bowles, CE: Aug 65:56

Corps of Engineers' projects authorized under Omnibus Rivers and Harbors and Flood Control Act of 1965, CE:Dec 65:88

Iowa--Transport trailer aids in Mississippi flood fight at Davenport, CE:Jun 65:92

FLUMES

Mounting Plate Glass in Sides of Flumes and Tanks, Elton F. Daly, CE:Jun 65:74

Simplied Flow Corrections for Parshall Flumes under Submerged Conditions, A.R. Robinson, CE:Sep 65:75

FLY ASH

Air Pollution from Incinerators--Causes and Cures, Leo P. Flood, CE:Dec 65:44

FOOTINGS

Designing Isolated Footings against Overturning, Donald G. Newnan, CE:Dec 65:70

FORECASTING

Graphical Method for Discounting Future Benefits in Feasibility Studies, George E. Ribble, CE:Nov 65:86

FOREIGN ENGINEERING

Africa--Civil engineering positions available, CE:Sep 65:88

The American Consulting Engineer Abroad, Edward J. Quirin, CE:Mar 65:45; Apr 65:54; May 65:60

Argentina--Huge hydroelectric project planned on Neuquen and Limay Rivers, CE:Jul 65:85

ASCE asks President's help in determining use of public agency or private services on foreign work, CE:Jan 65:40

Australia--Contract let for Blowering Dam in New South Wales, CE:Apr 65:96

Australia--U.S. Navy awards contract for communication station in Northwest Cape, CE: Jun 65:93

Brazil--Concrete arch bridge links Brazil and Paraguay, CE:May 65:89

Brazil--USBR releases report on Araguaia-Tocantins River basin, CE:Jun 65:90

Canada--Bridge-tunnel to connect New Brunswick and Prince Edward Island, CE:Sep 65:90

Canada--Construction begun on Arrow Dam in British Columbia, CE:Jul 65:86

Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau, CE:Dec 65:53

Canada--Large radio telescope under construction in Montreal, CE:Jun 65:90

Canada--Slip-formed observation tower for Niagara Falls, CE:May 65:87

Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE: May 65:62

Canada--Work begun on underground power plant for British Columbia, CE:Jul 65:88

Chile--Seabees Give Technical Assistance in Chile, Leroy D. Lawson, CE:Feb 65:47

Colombia--Flow Slides Prove Hazardous in Tenche Tunnel and Diversion Tunnel for Miraflores Dam, C. Y. Li, CE:Dec 64:51

Dsc: by author, CE:Jun 65:72

East Pakistan--Master Plan for Water and Power Development, Ernest M. Bowles, CE:Aug 65:56

Egypt--Salvaging Abu Simbel Temple gets under way, CE:Apr 65:96

England--London Bridge to be replaced, CE: Sep 65:87

Europe--Mont Blanc tunnel connects France and Italy, CE:Sep 65:90

Europe--Oil pipeline through Alps begun, CE: Aug 65:105

Europe--Work on Spanish-French tunnel under Pyrenees to begin, CE:Sep 65:88

France--Long suspension bridge to cross Garonne River at Bordeaux, CE:Oct 65:103

Greece--A Concrete Cutoff Wall for earthfill Peneus Dam Th. C. Gofas, CE:Jun 65:56

Italy--Study of bridge between Italy and Sicily, CE:May 65:86

Mexico--Balsas River Dam to be ready soon, CE:Apr 65:99

Military Engineering in Vietnam, Peter A. Corradi, CE:Nov 65:47

More unit prices around the world (from U.S. Air Force), ASCE Construction Div. Committee Report, CE:Jun 65:75

The Netherlands--Rotterdam's Rapid Transit Tunnel, Ir. G. Plantena, CE:Aug 65:34

A New and Better Foreign Technical Assistance Program, John S. Hale, CE:Jul 65:62

Dsc: I. Khwaja, CE:Oct 65:80

Peace Corps needs volunteers for Tunisia, CE:Jun 65:92

Portugal--Roadway for Tagus River Bridge begun, CE:Jul 65:85

Scotland--Possible world tunneling record set in Mhoilie aqueduct tunnel, CE:Jul 65:88

Spain--Water treatment plant to be built for Madrid, CE:Jun 65:95

Sweden--Building foundation built as a caisson for port storage in Stockholm, Hal W. Hunt, CE: Jun 65:60

Switzerland--Avalanche buries Mattmark Dam construction camp, CE:Nov 65:112

Venezuela--Suspension bridge to cross Orinoco River at Ciudad Bolivar, CE:Sep 65:88

Water Supply for Saigon, Walter T. McPhee, CE:Sep 65:59

Yugoslavia--Belgrade gets new TV tower, CE: Sep 65:87

FORMWORK (Construction)

Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J.C. McCraw, CE:Nov 65:70

Canada--Slip-formed observation tower for Niagara Falls, CE:May 65:87

Lateral Pressure of Concrete on Formwork, R. L. Peurifoy, CE:Dec 65:60

FOUNDATIONS

Apollo-a trip to the moon--symposium, (3)

Vehicle Assembly Building--foundations, Philip C. Rutledge, Jan 65:50

Foundations on Fissured Limestone--How They Were Selected, Henry M. Reitz, CE: Sep 65:52

Sweden--Building foundation built as a caisson for port storage in Stockholm, Hal W. Hunt, CE: Jan 65:60

Waterproofing Below the Ground Line, Thaddeus R. L. Lazarr, CE:Jun 65:73

FRINGE BENEFITS

Fringe Benefits in Civil Engineering Compensation, Clair A. Hill, CE:Jul 65:64

GAGES

County Rain-Gage Network Useful in Design, Alfred R. Pagan and Ronald Rothenberg, CE: Apr 65:68

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GARAGES

New York--Automatic Garage Attendant Keeps Tabs on Traffic and Tolls, CE:Aug 65:54

GAS STORAGE

Storage Containers for Liquefied Natural Gas, P.J. Anderson and A.R. Khan, CE:Aug 65:65

GEOLOGY

USGS to explore earth's crust by explosions, CE:Jun 65:93

GLASS

Mounting Plate Glass in Sides of Flumes and Tanks, Elton F. Daly, CE:Jun 65:74

GLUING

The Prestressed Glued Joint for Steel Connections, George Kostro, CE:Apr 65:75

GLUING

Foundations on Fissured Limestone--How They Were Selected, Henry M. Reitz, CE:Sep 65:52

North Carolina--Controlling Leakage from Cowans Ford Dam, Joe T. Moore, CE:Jun 65:52

HARBORS FACILITIES

California--Largest commercial pier under construction, CE:Dec 65:85

Massachusetts--Hurricane barrier to protect New Bedford, CE:Mar 65:82

Sweden--Building Foundation Built as a Caisson for Port Storage in Stockholm, Hal W. Hunt, CE:Jan 65:60

HIGHWAYS

AASHO develops computer programs for entire field of civil engineering, CE:Jul 65:87

AASHO elects Charles Shumate president, CE: Nov 65:113

American Road Builders' Association dedicates headquarters in Washington, D.C., CE:Aug 65: 106

American Road Builders' Association holds 63rd Annual Convention, CE:Apr 65:94

ASCE replies to article in "Barron's" denigrating Interstate Highway Program, CE: Jan 65:86

Connecticut--Viaducts for Interstate 91 cross New Haven Railroad tracks, CE:Dec 65:87

Cost of Interstate Highway System rises, CE: Mar 65:87

Electric Controls for Laying Smooth Pavements, R. L. Peurifoy, CE:Sep 65:56

Highway construction costs rise, CE: Sep 65:89

Highway Research Board holds 44th annual meeting, CE:Mar 65:82

Highway Research Board makes grant for asphalt study, CE:Apr 65:85

Interstate--Benefits (Lives + Dollars), Frank Schneller, CE:May 65:33

Maryland--Three levels of structural steel span Baltimore Beltway for an interchange, CE: Jun 65:94

New York--Expressway to cross lower Manhattan is approved, CE:Jul 65:88

Pennsylvania--U.S. Routes 22 and 322 updated, CE:May 65:84

Preserving Survey Monuments Despite Highway Construction, Winfield H. Eldridge, CE: May 65:40

Dsc: Richard Mayer, CE:Sep 65:74

Urban Atmospheric Pollution, Albert F. Bush, CE:May 65:66

Dsc: Herbert E. Clark, Jr., CE:Jul 65:76;

M.I. Goldman, Aug 65:74; Author's reply, CE:Aug 65:75

HYDROELECTRIC POWER GENERATION

Argentina--Huge hydroelectric project planned on Neuquen and Limay Rivers, CE:Jul 65:85

Arkansas--Turbines ordered for Ozark Dam project on Arkansas River, CE:Nov 65:116

Canada--Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau, CE:Dec 65:53

Canada--Work begun on underground power plant for British Columbia, CE:Jul 65:88

Colorado--Reclamation Firsts: Underground Power Plant at Morrow Point Dam, B.P. Bellport, CE:Feb 65:40

India--Sharavati Hydroelectric Project dedicated, CE:Mar 65:86

New York--Con Ed wins approval for Storm King plant, CE:Apr 65:94

Pennsylvania--Pumped-storage plant being built at Lancaster for Muddy Run Project, CE: Jul 65:88

Washington--Tacoma lets contract for Cowlitz River power, CE:Mar 65:87

HYDROLOGY

ASCE to co-sponsor conference on urban hydrology research and storm drainage, CE: Mar 65:75

Cycles in Hydrologic Data, J.R. Crippen, CE:Jan 65:70

Dsc: Gordon R. Williams, CE:Mar 65:62

Geohydrology by Dr. Roger DeWiest dedicated to ASCE, CE:Aug 65:95

The Hydrologic Cycle, A.K. Biswas, CE: Apr 65:70

Dsc: A.K. Biswas, CE:Sep 65:73

UNESCO sponsors decade of hydrological study, CE:Apr 65:97

INCINERATION

Air Pollution from Incinerators--Causes and Cures, Lee P. Flood, CE:Dec 65:44

Arkansas--Sludge Burning at North Little Rock, Arnold J. Tyer, CE:Mar 65:54

INSPECTION

Florida--Liaison Insures Quality Control for Vehicle Assembly Building at Cape Kennedy, Charles I. Orr, CE:Oct 65:56
 How to Improve Quality Control of Construction, Hal W. Hunt, CE:Oct 65:54
 How to Inspect Construction, Benjamin P. Cohen, CE:Oct 65:62
 Improved Inspection on the West Coast, John Steinbrugge, CE:Oct 65:79
 Legal Aspects of Quality Control, Robert B. Jarvis, CE:Oct 65:71
 Quality Control for Steel Construction, Milton Brumer, CE:Oct 65:76

INTERCHANGES

Maryland--Three levels of structural steel for interchange span Baltimore Beltway, CE:Jun 65:94

INSULATION

Alaska--Plastic Insulation vs. Deep Trenching for Seldovia Water Mains, Frank Nyman, CE:Mar 65:40

IRRIGATION

ASCE Irrigation and Drainage Division conference, "Development of Total Watershed," Oct. 6-9, Billings, Mont., CE:Jul 65:79; Program, Sep 65:72; Report, Dec 65:51

ASCE Irrigation and Drainage Division conference, El Paso, Tex., Dec. 2-4, 1964, CE:Jan 65:94; Feb 65:71; Apr 65:84

Arizona--Contract let for channel to solve salinity problem at Wellton-Mohawk District, CE:Jul 65:84

California--USBR establishes Fresno office for Westlands Water District irrigation-distribution system, CE:Jun 65:95

California--USBR lets contract for Tehama-Colusa canal CE:Aug 65:103

Transitory Irrigation Developments, Raymond A. Hill, CE:Mar 65:56

Dsc: Charles Green, CE:Jun 65:72, Author's reply, CE:Jun 65:72

U.S. and Mexico agree on salinity problem, CE:May 65:85

JOINTS

The Prestressed Glued Joint for Steel Connections, George Kostro, CE:Apr 65:75

LABORATORIES

Great Lakes--Corps of Engineers begins "oceanography" studies, CE:Nov 65:116

LIBRARIES

Engineering Societies Library reports wider and more convenient circulation of books, CE:Jan 65:91

LEGISLATION

Collective Bargaining for Municipal Engineers, Herman P. Zanoni, CE:Sep 65:50

Corps of Engineers' projects authorized under Omnibus Rivers and Harbors and Flood Control Act of 1965, CE:Dec 65:88

A Lawyer Looks at Stream Pollution, William Gross, CE:Apr 65:44

Dsc: B. F. Snow, CE:Aug 65:74

Legal Aspects of Quality Control, Robert B. Jarvis, CE:Oct 65:71

Preserving Survey Monuments Despite Highway Construction, Winfield H. Eldridge, CE:May 65:40

Sanitary Engineering Committee on Solid Wastes supports action by House Subcommittee on Public Health and Welfare, CE:Aug 65:95

LIFT-SLAB CONSTRUCTION

Prestressed Lift Slabs Withstand Fire, G. E. Troxell, CE:Sep 65:64

Utah--Lift Slabs (in Salt Lake City) Cast under Plastic Cover for Raising in Spring, Robert Sawyer, CE:Jul 65:42

LIGHTHOUSES

Steel Offshore Towers as Navigation Aids, J. V. Ruffin, CE:Nov 65:72
 Virginia--Construction of Chesapeake Light Station, John W. Fowler, CE:Nov 65:76

LIQUEFIED GASES

Storage Containers for Liquefied Natural Gas, P. J. Anderson and A. R. Khan, CE:Aug 65:65

LOADS (Forces)

Snow Loads for Roofs, Albert E. Anderson, CE:Jul 65:76

LOCKS (Barriers)

Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J. C. McCraw, CE:Nov 65:70

Arkansas--Contract let for Arkansas River Lock and Dam 6, CE:Feb 65:86

Belleville Locks on the Ohio River, R. B. Howard, CE:Nov 65:51

Ohio--Contract let for Ohio River locks, CE:Jun 65:91

Pennsylvania--Maxwell Locks and Dam completed, CE:Dec 65:88

MAINTENANCE

Barge Decks Resurfaced with Asphalt, William P. Helbok, CE:Nov 65:54

New Jersey--A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE:Mar 65:34

New York--Linseed-Oil Protection for New York State Thruway Bridges, Robert J. Walsh, CE:Jul 65:39

North Carolina--Controlling Leakage from Cowans Ford Dam, Joe T. Moore, CE:Jun 65:52

Structural Maintenance--the Third Element in the Structural Engineer's Professional Package, T. C. Kavanagh and S. M. Johnson, CE:May 65:52

MANAGEMENT

Can the Civil Engineer be a Manager?, H. L. Payne, CE:Jul 64:51

Dsc: R. B. Sheaffer, CE: Sep 64:69; H. L. Thackwell, Oct 64:66; Douglas L. Jonas, Jan 65:84

MARINAS

Marinas and Yacht Clubs--Planning and Financing, Stephen M. Olko, CE:Jun 65:58

MASONRY

Charts Simplify Reinforced-Masonry Design, J. N. Littlefield, CE:Aug 65:73

National Brick and Tile Bearing Wall Conference advocates bearing walls, CE:Jul 65:84

MATERIALS

An Applied Science of Materials for Civil Engineers, Edward M. Krososky, CE:Jul 65:54

Dsc: Archie Mathews, CE:Oct 65:81;

Consuelo M. Hauser, CE:Oct 65:81

MATERIALS TESTING

ASTM to publish Journal of Materials, starting April 1966, CE:Nov 65:116

Photosensitive Plastics Extend the Range of Photoelastic Stress Studies, John P. Cook, CE:Nov 65:87

MATHEMATICS

Computation of Offsets from Curves, John J. Durkin, CE:Sep 64:67

Dsc: Carl F. Meyer, CE:Nov 64:72; T. F. Hickerson, Nov 64:72; T. F. Hickerson, Feb 65:69

Moment Coefficients for Fixed-End Beams to Be Used in the Three-Moment Equation, Thomas D. Y. Fok and Thomas F. Moseur, CE:Aug 64:78

Dsc: F. P. Wiesinger, CE:Nov 64:73;

Charles O. Heller, Jan 65:84

MEASURING INSTRUMENTS

U.S.-Japanese seminar on instrumentation for hydraulic research held, CE:Aug 65:106; Oct 65:107

MECHANICS

Papers needed for Third Southeastern Conference on Theoretical and Applied Mechanics, CE:Sep 65:90

METRIC SYSTEM

Adoption of metric system in U.S. opposed by ASME, CE:Jan 65:98

Britain--Shift to metric system to take 10 years, CE:Jul 65:86

The Metric System Now, Frits H. Fenger, CE:Dec 65:49

MILITARY ENGINEERING

Military Engineering in Vietnam, Peter A. Corradi, CE:Nov 65:47

MILITARY ORGANIZATIONS

Handbook, "Selective Service and Military Policies on Classification, Deferment and Delay," issued by EJC, CE:May 65:80

MISSILES

Idaho--Contract awarded for Boise missile launching facilities, CE:Apr 65:99

MOMENTS

Design Charts for Symmetrically Haunched Members, Raymond B. Smith, CE:Aug 65:72

Moment Coefficients for Fixed-End Beams to Be Used in the Three-Moment Equation, Thomas D. Y. Fok and Thomas F. Moseur, CE:Aug 64:78

Dsc: F. P. Wiesinger, CE:Nov 64:73;

Charles O. Heller, Jan 65:84; Author's reply, CE:Apr 65:79

MONORAILS

Japan--Monorail connects Tokyo with its airport, CE:Mar 65:87

MONUMENTS

Missouri--St. Louis Steel Arch, Symbol of the Spirit of the Pioneers, J. E. N. Jensen, CE: Oct 65:64

Missouri--St. Louis Gateway Arch completed, CE:Dec 65:84

MOON

Engineering Challenges of Lunar Exploration, Daniel L. Lycan, CE:Dec 65:40

MUNICIPAL ENGINEERING

Collective Bargaining for Municipal Engineers, Herman P. Zanoni, CE:Sep 65:50

Municipal Engineering Is a Profession, Douglas Talbot, CE:Apr 65:57

MUSEUMS

ASCE cooperation asked by Smithsonian, CE: May 65:47

Smithsonian--Water wheel regulator donated, CE:Jun 65:95

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Charts Simplify Reinforced-Masonry Design, J. N. Littlefield, CE:Aug 65:73

Design Charts for Symmetrically Haunched Members, Raymond B. Smith, CE:Aug 65:72

Designing Isolated Footings against Overturning, Donald G. Newman, CE:Dec 65:70

Design of Concrete Beams and Slabs, Anselm Cefola, CE:Oct 65:83

Graphical Solution of the Chezy-Manning Formula for Open-Channel Flow, Roland W. Jeppson, CE:Mar 65:61

NUCLEAR ENERGY

AEC selects contractor for 200-BEV proton accelerator, CE:Jul 65:87

Atomic power recommended for California Water Project, CE:Jan 65:100

Has Nuclear Power Become Competitive?, R. N. Bergstrom, CE:Feb 65:32

Nuclear Craters for Water Resources Development and Management, David K. Todd, CE:Jun 65:64

Nuclear reactor for 200-mgd desalting plant developed for AEC, CE:Oct 65:103

OCEANS

Maryland--Ocean research lab to be built on Chesapeake Bay near Annapolis, CE:Apr 65:87

Mobole drilling sites to be in the Pacific, CE: Mar 65:84

OFFICE BUILDINGS

Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE:May 65:62

Colorado--Contract let for USBR Building in Denver, CE:Feb 65:82

Combination Water Systems for High-Rise Buildings, G. D. Testin, CE:Apr 65:85

Illinois--Chicago to have 800-ft high tapering skyscraper, CE:Feb 65:82

Massachusetts--Boston dedicates Prudential Center, CE:Jun 65:91

Missouri--Arc Welding Speeds Construction of Springfield Office Building, Rudolph F. Fischl and Georg Klatte, CE:Feb 65:60

New York--Two New York City buildings joined by welding, CE:Feb 65:65

Pennsylvania--Pittsburgh to build 60-story office building, CE:Jul 65:87

Seattle IBM Building wins American Iron and Steel Institute award, CE:Mar 65:84

OFFSHORE CONSTRUCTION

Steel Offshore Towers as Navigation Aids, J. V. Ruffin, CE:Nov 65:72
Virginia--Construction of Chesapeake Light Station, John W. Fowler, CE:Nov 65:76

ORGANIZATIONS

AASHO elects Charles Shumate president, CE: Nov 65:113

American Society for Engineering Education moves from Urbana, Ill., to Washington, D.C., CE:Oct 65:107

EUSEC holds ninth Plenary Assembly in Stockholm, Aug 28-Sep 1, CE:Nov 65:104

National Academy of Engineering moved from New York to Washington, CE:Oct 65:106

Report of 36th Annual Convention of WPCF, Atlantic City, N.J., Oct. 10-14, CE:Dec 65:84

ORTHOTROPIC BRIDGES

Illinois--Orthotropic bridge to span the Mississippi at East St. Louis, CE:Dec 64:89

Corr: M.P. Walsh, CE:Mar 65:64

PARKS

Hawaii--Unique water system for Sea Life Park, CE:Mar 65:85

PATENTS

Guide to patent law for engineers published, CE:May 65:85

PAVEMENTS

Barge Decks Resurfaced with Asphalt, William P. Helbok, CE:Nov 65:54

Electric Controls for Laying Smooth Pavements, R.L. Peurifoy, CE:Sep 65:56

Texas--Houston Airport, Study in Engineer-Contractor Harmony, H.O. Fischer, CE:Sep 65:32

PHOTOELASTICITY

Photosensitive Plastics Extend the Range of Photoelastic Stress Studies, John P. Cook, CE:Nov 65:87

PHOTOGRAMMETRY

Laser aids aerial mapping work, CE:May 65:88

PIERS

California--Largest commercial pier under construction, CE:Dec 65:85

PILES AND PILEDRIVING

New York--World's largest pile driver helps build Riker's Island Bridge in New York City, CE:Apr 65:98

PIPELINES

California--Cooling water pipeline placed for San Onofre Nuclear Generating Station, CE: Nov 65:115

California--Planning and Anchoring 12 Miles of Big Pipe for Santa Clara County, M.K. Harris, CE:Jun 65:61

California--Steel Pipe for South Bay Aqueduct, Alfred R. Golze, CE:Mar 65:36

Europe--Oil pipeline through Alps begun, CE:Aug 65:104

Georgia--River Bypass Boosts Efficiency of Power Plant on Chattahoochee River, CE:Nov 65:88

New Jersey--A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE: Mar 65:34

New weld pipe mill produces long line pipe, CE:Jan 65:98

Pipeline Industry Development Conference, Houston, Texas, Nov. 3-5, Report, CE: Dec 65:51

Understanding and Controlling Corrosion, Harry Neugold, Jr., CE:Mar 65:57

Dsc: R.E. Bald, CE:May 65:74

Understanding the Corrosion Resistance of Concrete Pipe, John A. Shaw, CE:Jun 65:39

Water Supply for Saigon, Walter T. McPhee, CE:Sep 65:59

PIPES

Colorado--70-ft Underpass of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello, CE:Nov 65:84

PLASTICS

Alaska--Plastic Insulation vs. Deep Trenching for Seldovia Water Mains, Frank Nyman, CE: Mar 65:40

ASCE Committee on Plastics to report at Environmental Engineering Conference, Aug 65:88

Dsc by Kenneth Balk, asking for information on structural plastics, CE:Jun 65:72

Utah--Lift Slabs (in Salt Lake City) Cast under Plastic Cover for Raising in Spring, Robert Sawyer, CE:Jul 65:42

POWER

ASCE Power Division's first specialty conference Denver, Colo., Aug 18-20, CE:Feb 65:46; Mar 65:74; Program: CE:Jun 65:76; Jul 65:79

ASCE to take part in American Power Conference, Apr. 27-29, CE:Feb 65:45

California--California Water Project, Power Plans and Demands, Alfred R. Golze, CE: Feb 65:35

East Pakistan--Master Plan for Water and Power Development, Ernest M. Bowles, CE: Aug 65:56

England--One of Europe's largest power stations built in Yorkshire, CE:May 65:85

Federal Power Commission guidelines for nation's electric utilities, CE:Feb 65:80

Virginia--Towers for a 500-kv Transmission Line, S. D. Alpert and J. D. Shaw, CE:Feb 65:52

POWER PLANTS

California--So. Calif. Edison plans huge power plant on the Colorado, CE:Mar 65:85

Has Nuclear Power Become Competitive?, R. N. Bergstrom, CE:Feb 65:32

PRECAST CONCRETE

Two Large Shells of Post-Tensioned Precast Concrete--Oklahoma Arena and Arizona Coliseum, T.Y. Lin and Ben W. Young, CE:Jul 65:56

PRESSURE GAGES

Lateral Pressure of Concrete on Formwork, R.L. Peurifoy, CE:Dec 65:60

PRESTRESSED CONCRETE

Expanding a Prestressed Concrete Plant, George Laszlo, CE:Apr 65:42

Two Large Shells of Post-Tensioned Precast Concrete--Oklahoma Arena and Arizona Coliseum, T.Y. Lin and Ben W. Young, CE: Jul 65:56

Post-tensioned Viaduct Piers, Edward P. Keiner, Jr., CE:Jan 65:72

Prestressed Concrete Institute names 10 projects in 1965 Awards Program, CE:Aug 65:104

PRESTRESSING

The Prestressed Glued Joint for Steel Connections, George Kostro, CE:Apr 65:75

PROFESSIONAL ADVANCEMENT

An Awareness of Reality, Bruce G. Johnston, CE:Jan 65:58

Can the Civil Engineer be a Manager?, H.L. Payne, CE:Jul 64:51

Dsc: R.B. Sheaffer, CE:Sep 64:69; H.L. Thackwell, Oct 64:66; Douglas L. Jonas, Jan 65:84

A Civil Engineer--and of Proud It, Wallace L. Chadwick, CE:Jan 65:37

Continuing Education, William H. Wisely, CE: Feb 65:31

A Design for the Future, Wallace L. Chadwick, CE:Jun 65:36

You and Your Local Section, W.L. Chadwick, CE:Apr 65:37

PROFILES

Electric Controls for Laying Smooth Pavements, R.L. Peurifoy, CE:Sep 65:56

PROTECTIVE COATINGS

New York--Linseed-Oil Protection for New York State Thruway Bridges, Robert J. Walsh, CE:Jul 65:39

Understanding and Controlling Corrosion, Harry Neugold, Jr., CE:Mar 65:57

Dsc: R.E. Bald, CE:May 65:74

PUBLICATIONS

ASTM to publish Journal of Materials, starting April 1966, CE:Nov 65:116

Books for leisure reading reviewed, CE:

Sep 65:87

Handbook on bridge design available from U.S. Steel, CE:Nov 65:116

Preliminary report on goals of engineering education available from American Society for Engineering Education, CE:Nov 65:103

Proceedings of 3rd Conference on Fundamental Research in Plain Concrete in Sept. 1964 are available, CE:Oct 65:99

Proceedings of International Symposium on Flexural Mechanics of Reinforced Concrete available, CE:Nov 65:101

Proceedings of International Symposium on Water Desalination available, CE:Dec 65:87

Transactions of 14th Sectional Meeting of World Power Conference in Sept. 1964 available, CE:Oct 65:98

Two books on bridges reviewed, CE:Dec 65:88

PUBLIC RELATIONS

Film on construction and importance of general contractor released, CE:Nov 65:116

QUALITY CONTROL

Dsc, Allen G. Poppino, CE:Nov 65:99, on ASCE leadership in quality control

Florida--Liaison Insures Quality Control for Vehicle Assembly Building at Cape Kennedy, Charles I. Orr, CE:Oct 65:56

Dsc, A.J. Julicher, CE:Dec 65:72, of Oct Quality Control issue

RADIO

Australia--U.S. Navy awards contract for communication station at North West Cape, CE: Jun 65:93

RAILROADS

The Amazing Pennsylvania Canals (and Portage Railroad), W.H. Shank, CE:Jan 65:66

Australia--U.S. firm to design railway, CE: Mar 65:83

Connecticut--Viaducts for Interstate 91 cross New Haven Railroad tracks, CE:Dec 65:87

President urges high-speed rail line between Boston and Washington, CE:Apr 65:96

Super-speed trains proposed by Budd Co. for Boston-Washington route, CE:Aug 65:102

RAINFALL

County Rain-Gage Network Useful in Design, Alfred R. Pagan and Ronald Rothenberg, CE: Apr 65:68

Cycles in Hydrologic Data, J.R. Crippen, CE: Jan 65:70

Dsc: Gordon R. Williams, CE:Mar 65:62

RAPID TRANSIT

Airports and Transit Systems--the Engineer's Challenge, J.K. Carr, CE:Apr 65:38

Dsc: Herbert C. Westfall, CE:Jun 65:72

California--Rapid-Transit Test Track for San Francisco, Leslie A. Irvin, CE:Aug 65:48

California--Under-water tube under construction for BARTD, CE:Oct 65:103

Dsc, Arthur J. Wolf, CE:Dec 65:72, on the expanding field of rapid transit engineering Jackson, Miss., in 2039 A.D., CE:Apr 65:59

Dsc: George C. Stewart, CE:Jul 65:75

The Netherlands--Rotterdam's Rapid Transit Tunnel, Ir. G. Plantema, CE:Aug 65:34

Rapid transit concept takes form at U.S. Steel, CE:Oct 65:104

Super-speed trains proposed by Budd Co. for Boston-Washington route, CE:Aug 65:102

Underground tube urged for high-speed North-east travel, CE:Sep 65:86

RECREATIONAL FACILITIES

Utah--A National Forest at Vernal Goes Modern, D.G. Dayley, CE:Sep 65:67

See also Marinas

REGISTRATION

Corporate practice provisions of model law revised by National Council of State Boards of Engineering Examiners, CE:Oct 65:98

The Dilemma of the Professional Engineers' Licensing Program, Arthur W. Weber, CE: May 65:37

Dsc: Thornton Smith, CE:Sep 65:74

See also (ASCE) Registration of Engineers

REINFORCED CONCRETE

Concrete Reinforcing Steel Institute holds annual convention, June 16-18, CE:Sep 65:86

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Concrete Reinforcing Steel Institute issues Design Handbook, Vol. II, CE:Jul 65:85
Proceedings of International Symposium on Flexural Mechanics of Reinforced Concrete available, CE:Nov 65:101

REINFORCEMENT

AISI issues booklet on high-strength reinforcing bars, CE:Apr 65:97

RESEARCH

Computer System Designed for Teaching and Structural Research at MIT, William Little and Kenneth Reinschmidt, CE:Aug 65:71
Northeastern states to coordinate water resources research, CE:Nov 65:116

RESERVOIRS

Egypt--Salvaging Abu Simbel Temple gets under way, CE:Apr 65:96

RETAINING WALLS

Minimum Base Lengths for Cantilever Retaining Walls, Semih Tezcan, CE:Oct 65:84

REVESTMENTS

Cellular Concrete Block Revetment, D.A. Parsons and R. P. Apmann, CE:Feb 65:66
Stabilizing the Lower Mississippi River, Ellsworth I. Davis and Ernest B. Lipscomb, CE:Nov 65:64

RIVERS

Brazil--USBR releases report on Arguaia-Tocantins River basin, CE:Jun 65:90
New York--Hudson River cleanup program started, CE:Jan 65:101
Mississippi--Dsc, CE:May 65:74, of Do You Know That item on Mississippi River water levels, CE:Mar 65:29
Stabilizing the Lower Mississippi River, Ellsworth I. Davis and Ernest B. Lipscomb, CE:Nov 65:64

ROOFS

Snow Loads for Roofs, Albert E. Anderson, CE:Jul 65:76
Utah--A National Forest at Vernal Goes Modern, D.G. Dalley, CE:Sep 65:67
See also Domes
See also Shells (Structural Forms)

SALARIES

Engineering Manpower Commission of EJC reports salaries, 1962-1964, CE:Feb 65:44
EJC reports that engineering faculty salaries increase CE:Sep 65:44

Fringe Benefits in Civil Engineering Compensation, Clair A. Hill, CE:July 65:64

SANITARY ENGINEERING

Air Pollution from Incinerators--Causes and Cures, Leo P. Flood, CE:Dec 65:44
Alaska--Utilities for a Relocated Town in Valdez, James W. Poirot, CE:Mar 65:50
American Sanitary Engineering Intersociety Board elects officers, CE:Feb 65:45
Arkansas--Sludge Burning at North Little Rock, Arnold J. Tyler, CE:Mar 65:54
ASCE Manual No. 37, Practice of Design and Construction of Sanitary and Storm Sewers, reviewed by joint committee, CE:Jan 65:39
ASCE Sanitary Division sponsors symposium on Research, Development and Design, CE:Apr 65:83

California--Los Angeles ASCE Local Section reports on the detergent problem, CE:May 65:46

Colorado--Denver's Metro Waste Treatment Plant, William L. Bredar, CE:Dec 65:64
Conference of State Sanitary Engineers releases report on municipal waste treatment needs, CE:Sep 65:89

Missouri--Pollution Abatement Program for Kansas City, Glen J. Hopkins, CE:Sep 65:39

Sanitary Engineering Committee on Solid Wastes supports action by House Subcommittee on Public Health and Welfare, CE:Aug 65:95

Washington--Seattle's Record-Breaking Sewage-Treatment System, Fred E. Lange, CE:Mar 65:31

Water Renovation--Some Advanced Treatment Processes, David G. Stephan, CE:Sep 65:46

SCHOLARSHIPS

Freeman Fellowship awarded to associate professor at Colorado State University, CE:Sep 65:45

SCHOOLS

New York--City College of New York major campus expansion, CE:Mar 65:87

New York--Contract awarded for West Point expansion, CE:Dec 65:88

New York--Large contract let for Albany campus of N.Y. State University, CE:Apr 65:99

Prestressed Lift Slabs Withstand Fire, G.E. Troxell, CE:Sep 65:64

SEEPAGE

North Carolina--Controlling Leakage from Cowans Ford Dam, Joe T. Moore, CE:Jun 65:52

SETTLEMENT (Structural)

Foundations on Fissured Limestone--How They Were Selected, Henry M. Reitz, CE:Sep 65:52

SEWAGE TREATMENT

Arkansas--Sludge Burning at North Little Rock, Arnold J. Tyler, CE:Mar 65:54
Better Activated Sludge by the Kessener-Brush Aeration Process, H.R. Carter, CE:Dec 65:67

Colorado--Denver's Metro Waste Treatment Plant, William L. Bredar, CE:Dec 65:64
Detergent field tests reported on at Industrial Waste Conference, CE:Jun 65:94
Missouri--Pollution Abatement Program for Kansas City, Glen J. Hopkins, CE:Sep 65:39
Washington--Seattle's Record-Breaking Sewage-Treatment System, Fred E. Lange, CE:Mar 65:31

SEWERAGE

Missouri--Pollution Abatement Program for Kansas City, Glen J. Hopkins, CE:Sep 65:39

SEWERS

Massachusetts--New sewer line for the Boston area, CE:Mar 65:86
New Jersey--A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE:Mar 65:34

Report of U. S. Public Health Service on separation of storm and sanitary sewers, CE:Feb 65:83

SHells (Structural Forms)

Combined Aerodynamic and Structural Design of Light-weight Flight Structures, Robert W. Fralich, CE:Aug 65:60
Two Large Shells of Post-Tensioned Precast Concrete--Oklahoma Arena and Arizona Coliseum, T.Y. Lin and Ben W. Young, CE:Jul 65:56

SHORE PROTECTION

Proceedings of Ninth Conference on Coastal Engineering available, CE:Feb 65:72

SHORING

California--Unusual shoring permits unobstructed excavation for San Francisco Children's Hospital, CE:Feb 65:81

SNOW

Snow Loads for Roofs, Albert E. Anderson, CE:Jul 65:76

SOIL MECHANICS

Dsc on differentiating between soil tests in lab and field, Manuel Mateos, CE:Mar 65:64
Second Terzaghi Lecture by Dr. Casagrande available, Aug 65:90

Sixth Conference of International Society for Soil Mechanics and Foundation Engineering, Montreal, Quebec, Sep 8-15, CE:Jan 65:94; Report, Dec 65:75; Proceedings available, Dec 65:76

Soils course in advance of Sixth International Conference on Soil Mechanics, CE:Mar 65:44

Texas--Houston Airport, Study in Engineering-Contractor Harmony, H.O. Fischer, CE:Sep 65:32

SPACE EXPLORATION

Apollo--a Trip to the Moon--symposium, (1) Vertical Assembly Building--Project Description, Organization and Procedures, William D. Alexander, CE:Jan 65:42; (2) Design of the Vertical Assembly Building, Anton Tedesco, Jan 65:45; (3) VAB--Design of Foundations, Philip C. Rutledge, Jan 65:50

Dsc: E.M.T. Ryder, CE:Apr 65:80

Engineering Challenges of Lunar Exploration, Daniel L. Lycan, CE:Dec 65:40

Mississippi--Saturn rocket test facility to be built for NASA, CE:Apr 65:98

SPECIFICATIONS

AISC publishes booklet on joist specifications, CE:Sep 65:90

Legal Aspects of Quality Control, Robert B. Jarvis, CE:Oct 65:71

STADIUMS

Texas--Unusual Dome Awaits Baseball Season in Houston, Louis O. Bass, CE:Jan 65:63

Dsc: R.S. DiSalvo, CE:Mar 65:64

STEEL

AISC awards, CE:Mar 65:84

AISC awards 16 bridges opened in 1964, CE:Dec 65:86

AISC Conference on "What Is New in Steel," reported, CE:Jun 65:90

AISC names 1965 Architectural Awards of Excellence, CE:Aug 65:103

AISC publishes booklet on joist specifications, CE:Sep 65:90

AISC to hold 17th annual National Engineering Conference, CE:Mar 65:87

Canada--Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE:May 65:62

Cold-Formed Steel Members for Economy and Easy Assembly, Paul Boker, CE:May 65:64

Colorado--70-ft. Underpasses of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello, CE:Nov 65:84

Delaware--Steel erection begun on Delaware Memorial Bridge, CE:Dec 65:88

Expanding a Prestressed Concrete Plant, George Laszlo, CE:Apr 65:42

Florida--Liaison Insures Quality Control for Vehicle Assembly Building at Cape Kennedy, Charles I. Orr, CE:Oct 65:56

Imports of steel set new high in 1964, CE:Jan 65:100

Indiana--Bethlehem Steel Co. adds sheet and plate capacity at Burns Harbor plant, CE:Nov 65:114

International conference studies high-rise steel buildings, CE:Oct 65:107

Japanese steel company gets Ex-Im Bank loan, CE:Mar 65:86

Missouri--St. Louis Steel Arch, Symbol of the Spirit of the Pioneers, J.E.N. Jensen, CE:Oct 65:64

Missouri--St. Louis Gateway Arch completed, CE:Dec 65:84

The Prestressed Glued Joint for Steel Connections, George Kostro, CE:Apr 65:75

Quality Controls for Steel Construction, Milton Bruner, CE:Oct 65:76

South Carolina--Second Cooper River Bridge at Charleston nears completion, CE:Nov 65:113

Steel Fabrication Drawings by Computer, Alfred H. Palmer and Herbert T. Blomquist, CE:Feb 65:50

Dsc: Henry G. Hurd, CE:May 65:74; Author's reply, May 65:74

Steel shipments set all-time record in April 1965, CE:Jul 65:88

Three records in steel production set, CE:Aug 65:105

U.S. Steel announces competition on highway bridge design, CE:Nov 65:115

STORMS

Massachusetts--Hurricane barrier to protect New Bedford, CE:Mar 65:82

STRUCTURAL ENGINEERING

Alaska--Vertical Forces in Earthquake of March 1964, Harvey P. Pittelko, CE:Jan 65:56

Dsc: Harold C. Smith, CE:Mar 65:52

ASCE Structural Division conference on wood, Chicago, Ill., Jun 9-11, CE:Apr 65:84; Program, May 65:71; Report, Jul 65:44

ASCE Structural Engineering Conference, Miami Beach, Fla., Jan 31-Feb 4, 1966: Mexico City meeting to follow, CE:Mar 65:73; Program, Nov 65:89; Dec 65:50; Dec 65:74

Cold-Formed Steel Members for Economy and Easy Assembly, Paul Baker, CE:May 65:64

Combined Aerodynamic and Structural Design of Light-weight Flight Structures, Robert W. Fralich, CE:Aug 65:60

Computer System Designed for Teaching and Structural Research at MIT, William Little and Kenneth Reinschmidt, CE:Aug 65:71

Design Charts for Symmetrically Haunched Members, Rayford B. Smith, CE:Aug 65:72

Details that Cause Failure in Timber Truss Design, Paul Gordon, CE:Oct 65:74

Florida—Criteria for Construction in Creating Another Cape Kennedy Colossus, George H. Kirkland, CE:Oct 65:59

International conference studies high-rise steel buildings, CE:Oct 65:107

Missouri—Arc Welding Speeds Construction of Springfield Office Building, Rudolph F. Fischl and Georg Klatte, CE:Feb 65:60

Moment Coefficients for Fixed-End Beams to Be Used in the Three-Moment Equation, Thomas D. Y. Fok and Thomas F. Mosure, CE:Aug 64:78

Dsc: F. P. Wiesinger, CE:Nov 64:73; Charles O. Heller, Jan:65:84; Authors' reply: CE: Apr 65:79

Post-tensioned Viaduct Piers, Edward P. Keiner, Jr., CE:Jan 65:72

Steel Fabrication Drawings by Computer, Alfred H. Palmer and Herbert T. Blomquist, CE:Feb 65:50

Dsc, Henry G. Hurd, CE:May 65:74, reply by author, May 65:74

Structural Maintenance—The Third Element in the Structural Engineer's Professional Package, T. C. Kavanagh and S. M. Johnson, CE: May 65:52

Texas—Unusual Dome Awaits Baseball Season in Houston, Louis O. Bass, CE:Jan 65:63

Thermal Stresses due to Unequal Thermal Coefficients of Concrete and Reinforcing Steel, T. A. Holm, CE:Feb 65:63

Washington—Legacy of Galloping Gertie (Tacoma Narrows Bridge), Robert Goller, CE: Oct 65:50

SUBSURFACE STRUCTURES

Avoiding Utility Interference Underground, Hertel Missimer, CE:Sep 65:36

California civil engineers and land surveyors defend their professional rights, CE:Mar 65:75

Computation of Offsets from Curves, John J. Durkin, CE:Sep 64:67

Dsc: Carl F. Meyer, CE:Nov 64:72; T. F. Hickerson, Nov 64:72; T. F. Hickerson, Feb 65:69

SURVEYING

American Society of Photogrammetry and American Congress on Surveying and Mapping hold 1965 convention March 28 to April 3, CE: May 65:89

Dsc by Jack Dawson on four-legged tripod on CIVIL ENGINEERING cover, CE:May 65

Electronics in Surveying, Edmund T. Miller, CE:May 65:29

Preserving Survey Monuments Despite Highway Construction, Winfield H. Eldridge, CE:May 65:40

Dsc: Richard Mayer, CE:Sep 65:74

Stadia—an Automatic Data Input Assembler for Topographic Surveys, Paul D. Spindel, CE: May 65:51

SUSPENSION BRIDGES

California—Second deck proposed for Golden Gate Bridge, CE:Nov 65:112

France—Long suspension bridge to cross Garonne River at Bordeaux, CE:Oct 65:103

Italy—Study of bridge between Italy and Sicily, CE:May 65:86

Venezuela—Suspension bridge to cross Orinoco

River at Ciudad Bolivar, CE:Sep 65:88

Washington—Legacy of Galloping Gertie (Tacoma Narrows Bridge), Robert Goller, CE: Oct 65:50

TANKS

Mounting Plate Glass in Sides of Flumes and

Tanks, Elton F. Daly, CE:Jun 65:74

Storage Containers for Liquefied Natural Gas, P. J. Anderson and A. R. Khan, CE:Aug 65:65

TELESCOPES

California—Huge radio telescope to be built at Caltech, CE:Apr 65:96

Canada—Large radio telescope under construction in Montreal, CE:Jun 65:90

TELEVISION

ASCE television program, "Metropolitan Planning and Design," scheduled, CE:Apr 65:84; May 65:80

New Jersey—A Revolution in Sewer Maintenance at Woodbridge, Charles W. Beagle, CE: Mar 65:34

New York—TV expedites traffic in Lincoln Tunnel, CE:Oct 65:105

Yugoslavia—Belgrade gets new TV tower, CE: Sep 65:87

TESTING

California—Rapid-Transit Test Track for San Francisco, Leslie A. Irvin, CE:Aug 65:48

Lateral Pressure of Concrete on Formwork, R. L. Peurifoy, CE:Dec 65:60

THERMOELECTRIC POWER GENERATION

Georgia—River Bypass Boosts Efficiency of Power Plant on Chattahoochee River, CE:Nov 65:88

TIMBER CONSTRUCTION

Utah—A National Forest at Vernal Goes Modern, D. G. Dalley, CE:Sep 65:67

TIMBER (Structural)

ASCE Structural Division conference on wood held in Chicago, June 9-11, CE:Apr 65:84; Program, May 65:71

Details that Cause Failure in Timber Truss Design, Paul Gordon, CE:Oct 65:74

TOPOGRAPHY

Stadia—an Automatic Data Input Assembler for Topographic Surveys, Paul D. Spindel, CE: May 65:51

TOWERS

Canada—Slip-formed observation tower for Niagara Falls, CE:May 65:87

Florida—Criteria for Construction in Creating Another Cape Kennedy Colossus, George H. Kirkland, CE:Oct 65:59

Steel Offshore Towers as Navigation Aids, J. V. Ruffin, CE:Nov 65:72

Virginia—Construction of Chesapeake Light Station, John W. Fowler, CE:Nov 65:76

Virginia—Towers for a 500-kv Transmission Line, S. D. Alpert and J. D. Shaw, CE:Feb 65:52

Yugoslavia—Belgrade gets new TV tower, CE: Sep 65:87

TRAFFIC

New York—TV expedites traffic in Lincoln Tunnel, CE:Oct 65:105

TRANSMISSION LINES

Canada—Hydro Development of the Manicouagan and Outardes Rivers in Quebec, Benoit Baribeau, CE:Dec 65:53

Virginia—Towers for a 500-kv Transmission Line, S. D. Alpert and J. D. Shaw, CE:Feb 65:52

TRANSPORTATION

Airports and Transit Systems—the Engineer's Challenge, J. K. Carr, CE:Apr 65:38

Dsc: Herbert C. Westfall, CE:Jun 65:72

ASCE Transportation Engineering Conference, Minneapolis, Minn., May 17-21, CE:Mar 65:42; Program, Mar 65:65; Report, Jun 65:44

Dsc: L. A. Moehrung, CE:Sep 65:73

ASCE Transportation Engineering Coordinating Committee recommends Technical Council on Urban Transportation, CE:Aug 65:95

Interstate = Benefits (Lives + Dollars), Frank Schneller, CE:May 65:33

TRUSSES

Details that Cause Failure in Timber Truss Design, Paul Gordon, CE:Oct 65:74

TUBES

California—Under-water tube under construction for BARTD, CE:Oct 65:103

Underground tube urged for high-speed Northeast travel CE:Sep 65:86

TUNNELING (Excavation)

Colorado—Reclamation Firsts: Underground Power Plant at Morrow Point Dam, B. P. Bellport, CE:Feb 65:40

California—Joint-venture group has low bid for Carley V. Porter Tunnel, CE:Sep 65:89

Colombia—Flow Slides Prove Hazardous in Tenche Tunnel and Diversion Tunnel for Mira-

folios Dam, C. Y. Li, CE:Dec 64:51

Dsc: by author, CE:Jun 65:72

Europe—Mont Blanc tunnel connects France and Italy, CE:Sep 65:90

Europe—Work on Spanish-French tunnel under Pyrenees to begin, CE:Sep 65:88

Scotland—Possible world tunneling record set in Mhoille aqueduct tunnel, CE:Jul 65:88

TUNNELS (Transportation)

The Amazing Pennsylvania Canals, W. H. Shank, CE:Jan 65:66

Canada—Bridge-tunnel to connect New Brunswick and Prince Edward Island, CE:Sep 65:90

Colorado—Exploratory tunnel driven through Continental Divide, CE:May 65:86

Massachusetts—Tunnel under Boston's Prudential Center painted cheaply with epoxy, CE: Sep 65:89

The Netherlands—Rotterdam's Rapid Transit Tunnel, I. G. Plantema, CE:Aug 65:34

New York—Lincoln Tunnel receives new pavement, CE:Jun 65:93

Virginia—Chesapeake Bay Bridge-Tunnel project given ASCE's OCEA Award, CE:May 65:44

TURBINES

Arkansas—Turbines ordered for Ozark Dam project on Arkansas River, CE:Nov 65:116

UNDERGROUND STORAGE

Storage Containers for Liquefied Natural Gas, P. J. Anderson and A. R. Khan, CE:Aug 65:65

UNDERPASSES

Colorado—70-ft Underpass of Corrugated Steel Pipe for Broadmoor Hotel, Colorado Springs, Nick Pinello, CE:Nov 65:84

UNIONS

Collective Bargaining for Municipal Engineers, Herman P. Zanoni, CE:Sep 65:50

To Bargain or Not to Bargain, E. Lawrence Chandler, CE:Aug 65:41

UNITED ENGINEERING TRUSTEES

Officers elected for coming year, CE:Feb 65:72

URBAN DEVELOPMENT

Canada—Toronto Office-Building Complex Breaks Records, John L. Kellermann, CE:May 65:62

Illinois—First National Bank Building to be built in Chicago Loop, CE:Oct 65:105

Maryland—Baltimore wins honors for urban renewal, CE:Feb 65:83

Massachusetts—Boston dedicates Prudential Center, CE:Jun 65:91

URBAN PLANNING

Airports and Transit Systems—the Engineer's Challenge, J. K. Carr, CE:Apr 65:38

Dsc: Herbert C. Westfall, CE:Jun 65:72

ASCE Committee on Land Use plans ASCE publication on urban planning, CE:Jul 65:80

ASCE Urban Planning and Development Division conference, San Juan, Puerto Rico, Oct. 28-29, Program, CE:Sep 65:70

Avoiding Utility Interference Underground, Hertel Missimer, CE:Sep 65:36

Jackson, Miss. in 2039 A. D., CE:Apr 65:59

Dsc: George C. Stewart, CE:Jul 65:75

Planning a National Airport System to Serve the 70's, Cole Morrow, CE:Aug 65:62

Urban Atmospheric Pollution, Albert F. Bush, CE:May 65:86

Dsc: Herbert E. Clark, Jr., CE:Jul 65:76;

M. I. Goldman, Aug 65:74; Author's reply,

Aug 65:75

Rapid transit concept takes form at U. S. Steel, CE:Oct 65:104

U. S. BUREAU OF RECLAMATION

California—USBR establishes Fresno office for Westlands Water District irrigation-distribution system, CE:Jun 65:95

Montana—Yellowtail Dam to be completed in

spring of 1966, CE:Nov 65:112

U. S. GOVERNMENT

A New and Better Foreign Technical Assistance Program, John S. Hale, CE:Jul 65:62
Dsc: I. Khwaja, CE:Oct 65:80

U. S. NAVY

Chile--Seabees Give Technical Assistance in Chile, Leroy D. Lawson, CE:Feb 65:47
Cuba--Seawater conversion plant for Guantanamo Naval Base, CE:Apr 65:99
Military Engineering in Vietnam, Peter A. Corradi, CE:Nov 65:47
New Chief of Bureau of Yards and Docks appointed, CE:Oct 65:105

UTILITIES

Alaska--Utilities for a Relocated Town in Valdez, James W. Poirier, CE:Mar 65:50
Avoiding Utility Interference Underground, Hertel Missimer, CE:Sep 65:36
Canada--Winnipeg Favors Utility Construction in Winter, W.S. Brock, CE:Jul 65:66
Electric utilities plan large construction program in Middle Atlantic states, CE:Apr 65:98

VIBRATION

Alabama--Low Cement Content for Mass Concrete in TVA's Guntersville Lock, J.C. McCraw, CE:Nov 65:70
Flow-Induced Vibrations--Experience of TVA with Hydraulic and Other Structures, James T. Price, CE:Apr 65:61

VOCATIONAL GUIDANCE

Review of book, "A Definitive Study of Your Future in Civil Engineering," by Alfred R. Golze, CE:Jan 65:39

WALLS

National Brick and Tile Bearing Wall Conference advocates bearing walls, CE:Jul 65:84

WAREHOUSES

Composite Design Cuts Cost of Small Warehouses, Edward B. Finkel, CE:Aug 65:46
Sweden--Building Foundation Built as a Caisson for Port Storage in Stockholm, Hal W. Hunt, CE:Jan 65:60

WASTE DISPOSAL

Conference of State Sanitary Engineers releases report on municipal waste treatment needs, CE:Sep 65:88

WATER FLOW

Great Lakes--Corps of Engineers begins "oceanography" studies, CE:Nov 65:116
New York--Study of Hudson River river-flow and salt-content begun, CE:Nov 65:115
A Simple Method for Determining Water-Surface Profiles J.F. Harp, CE:Oct 65:85

WATER POLLUTION

California--Los Angeles ASCE Local Section reports on the detergent problem, CE:May 65:46
Detergent field tests reported on at Industrial Waste Conference, CE:Jun 65:94

A lawyer Looks at Stream Pollution, William Gross, CE:Apr 65:44

Dsc: B.F. Snow, CE:Aug 65:74
Missouri--Pollution Abatement Program for Kansas City, Glen J. Hopkins, CE:Sep 65:39
National Assoc. of Manufacturers issues study on water pollution in industry, CE:Mar 65:85
New York--Governor Rockefeller asks pollution control fund, CE:Feb 65:81
New York--Hudson River cleanup program started, CE:Jan 65:101
Report of 38th Annual Convention of WPCF, Atlantic City, N.J., Oct. 10-14, CE:Dec 65:84
Washington--Seattle's Record-Breaking Sewage-Treatment System, Fred E. Lange, CE:Mar 65:31

WATERPROOFING

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